

GPS-Photo Asset Management

Strong Team: GPS-Compass-Camera G700SE and alta4 Software-Solutions

Perfect Teamwork: the latest GPS-Compass-Camera G700SE together with Software-Solutions from alta4 Geoinformatik AG. Profit from smart solutions to speed up administration and documentation tasks of your

asset management tasks. The complete solution covers workflows throughout the entire enterprise – starting from capturing geo-coded photos to the implementation in mapping services and databases.



12,1 Megapixel, 28-140mm Zoom

12.1 Mega-Pixel resolution combined the powerful CCD 1/2,3" image sensor enables the RICOH GPS-Compass-Camera G700SE to capture high resolution images at any weather conditions. With its aperture range of f3.5-5.0 and possible ISO-Speed settings from ISO64-3200, the GPS-Compass-Camera G700SE allows to capture images even at difficult light conditions.

Roughness

Through an elegant and compact design combined with a net weight of 286g, RICOH enabled its GPS-Compass-Camera G700SE to resist the impact of water, dust and a drop from 5ft. It even resists the removal of stains with ethanol- and chlorine-acids. Additionally the waterproof body prevents the camera from water and moisture infiltration.

GPS + Compass

With its effective and sleek design, the GPS+Compass unit is a seamless fit to the cameras body. First tests results of alta4 showed highest accuracy in terms of position-fixing. Due to the integrated digital compass function, the image direction will be captured together with its GPS-coordinates. In addition geo-referenced images can be displayed and organized on digital maps.

Text-Attributes

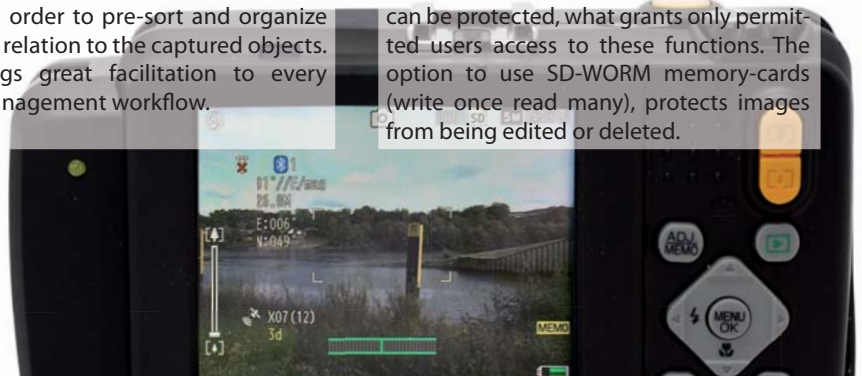
The Memo-function of the GPS-Compass-Camera G700SE extends the image information through the additional option of name-tags. 99 pre-defined text-attributes in 10 categories can be linked to the taken images in order to pre-sort and organize images in relation to the captured objects. This brings great facilitation to every Photo-Management workflow.

WiFi + Bluetooth®

WiFi and Bluetooth® 2.1 enable the GPS-Compass-Camera G700SE to do high-speed data communication in order to meet highest connectivity standards. The ability to transmit image data to personal computers and smartphones completes a smooth data workflow in any network environment. The GPS-Compass-Camera G700SE can also transmit images via wireless LAN while receiving GPS data.

Safety Features

In order to proof who took which photo where and when, the new RICOH GPS-Compass-Camera G700SE comes with brand new safety features. Through a password protection, several camera functions can be protected, what grants only permitted users access to these functions. The option to use SD-WORM memory-cards (write once read many), protects images from being edited or deleted.



Asset Management

GPS photo documentation facilitates work



Capturing the Image

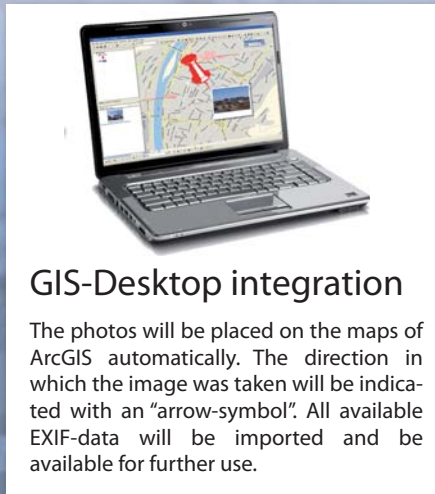
While capturing the scene, the camera automatically gathers the GPS-data and the direction through the compass function and writes this information into the EXIF-header of the stored image-file automatically.

Compatible to:

Profi-GPS like:



Laser Range Finder like:



GIS-Desktop integration

The photos will be placed on the maps of ArcGIS automatically. The direction in which the image was taken will be indicated with an "arrow-symbol". All available EXIF-data will be imported and be available for further use.



GIS-Server integration

An intuitive interface enables direct upload functionality, text-tagging, adding of comments, editing and organizing of your photos. All photos can instantly be displayed through available map services.



Photo-reports

With just a few clicks, well structured PDF-reports can be created to give an overview of the captured images and maps. This function unfolds its full usability when reporting to external interest groups



ExifExtractor offers the ability to read-out EXIF-information's and implement these gathered information's for an efficient photo management. This is an efficient stand-alone tool for all users without ArcGIS applications. It offers a broad range of export formats like csv, xml, kml to enable the integration in Google Earth, CAD-file systems and GIS applications. An additional feature is the PDF-export function, which delivers clear and compact information's about chosen photo-collections in a well structured PDF-report.



GPS PhotoMapper offers broad based functionality to comfort and increase the Photomanagement process within ArcGIS applications. Drag&Drop interfaces allow a comfortable use in ArcMap. An automated position is ensured through the available GPS data captured in the EXIF-header of the chosen images. In case of missing GPS-coordinates, these can be added manually through the Drag&Drop functionality. For different purposes, PDF files can easily be created in order to give an overview of the chosen photos and their relevant EXIF-data.



PhotoMapper Server efficiently increases ArcGIS Server advantages with an improved photo-management. The fully automated process of transfer, storage, distribution to the person or department in charge, up to storing the captured images in photo collections improves the overall workflow. Especially large scale organizations and complex enterprises gain great profit from an increased workflow efficiency through PhotoMapper Server, which enables an easy-to-handle file structure, that increases the ease of access throughout the whole enterprise.